

**Utah Lake Water Quality Study
Science Panel Call #9
Monday, September 30, 2019; 9:30 a.m. – 12:30 p.m. Mountain**

Agenda

Adobe Connect Link: <https://resolv.adobeconnect.com/pdemorgan/>

Meeting Objectives:

- *Discuss progress and initial results for each of the near-term research projects;*
- *Review progress and receive feedback on Tetra Tech work elements;*
- *Discuss efforts underway to characterize atmospheric deposition of nutrients to Utah Lake;*
- *Discuss approach for revising the Utah Lake mass balance; and*
- *Check in on progress of action items from the July 10th and 11th meeting.*

- 9:30 – 9:45 Welcome, Introductions, and Agenda Review
- Review the agenda and ground rules – *Dave Epstein, SWCA*
- 9:45 – 10:15 Updates on Near-Term Research Work Plan Projects
- Utah Lake-sediment water nutrient interactions – *Ramesh Goel, U of U; and Greg Carling, BYU [10 min.]*
 - Bioassays to investigate nutrient limitation of Utah Lake – *Zach Aanderud, BYU; Michelle Baker, USU; and Ben Abbott, BYU [10 min.]*
 - Paleolimnology and paleoecology of Utah Lake – *Janice Brahney, USU; Soren Brothers, USU; and Mitch Power, U of U [10 min.]*
- 10:15 – 11:20 Progress Update and Discussion on Tetra Tech Work Elements – *Michael Paul, Tetra Tech*
- Nutrient criteria framework development [20 min.]
 - Conceptual models [5 min.]
 - Data characterization analysis plan results [20 min.]
 - Uncertainty guidance [5 min.]
 - Strategic Research Plan development [15 min.]
- 11:20 – 12:00 Atmospheric Deposition of Nutrients to Utah Lake
- Estimating total and bioavailable nutrient loading to Utah Lake from the atmosphere – *Janice Brahney, Science Panel [10 min.]*
 - Approve white paper estimates of nutrient loading to Utah Lake for purposes of moving forward with models – *Paul De Morgan, RESOLVE [10 min.]*
 - WFWQC proposal to measure atmospheric deposition – *Theron Miller, Science Panel [10 min.]*
 - Update on initiative to engage external expert for review of atmospheric deposition products – *Mitch Hogsett, Science Panel [10 min.]*
- 12:00 – 12:10 Utah Lake Mass Balance Analysis Update

- Overview of efforts to date – *Michael Brett, Science Panel, and Scott Daly, DWQ*
- Discuss approach for revising mass balance analysis
- Receive comments and determine the next steps

12:10 – 12:20 Review Ongoing and New Action Items

- Review progress and next steps for ongoing action items
- Confirm new action items and next steps

12:20 – 12:25 Public Involvement

Members of the public will be given an opportunity to comment on the Utah Lake Water Quality Study efforts. The amount of time given to each individual will depend on the number of people wishing to provide comment. Additional comments can be submitted in writing to the Division of Water Quality.

12:25 –12:30 Wrap Up – Dave Epstein

- Final thoughts for the day
- Confirm next steps and upcoming schedule

12:30 **Adjourn**